

**Patent Claims:**

1. Carpet tile (1) comprising
  - a support plate (2);
  - a carpet material (3) on said support plate (2);
  - a first mechanical locking element (4) extending along a first joint edge (8a) of said carpet tile (1), and
  - a second complementary mechanical locking element (5) extending along a second joint edge (8b) of said carpet tile (1).
2. Carpet tile (1) according to claim 1, wherein said first and second mechanical locking elements are provided on opposing joint edges (8a,8b).
3. Carpet tile according to claim 1, wherein said carpet tile (1) has four joint edges (8a,8b,8c,8d) and further includes a third locking element (6) extending along a third joint edge (8c) and a complementary fourth locking element (7) extending along a fourth joint edge (8d) of said carpet tile (1).
4. Carpet tile according to one of claims 1 to 3, wherein the respective locking elements (4,5,6,7) extend either along the entire length of said respective joint edges or along a part of said respective joint edges (8a,8b,8c,8d).
5. Carpet tile according to one of claims 1 to 2, wherein said support plate (2) is formed of either HDF, MDF or polymer material.
6. Carpet tile according to one of claims 1 to 3, wherein said carpet material (3) is formed of either needled felt, tuft or woven material.
7. Carpet tile according to one of claims 3 to 5 wherein said first and/or third locking element (4,6) is a male locking element, and said second and/or fourth locking element(5,7) is a female locking element.

8. Carpet tile according to claim 7, wherein said male locking element (4,6) includes a lateral projecting tongue (11) and said female locking element (5,7) includes a lateral open groove (10).
9. Carpet tile according to one of claims 1 to 8, wherein said first and second locking elements (4,5) are formed to vertically lock the respective joint edges (8a,8b) of two carpet tiles (3a,3b) or are formed to vertically and horizontally lock the respective joint edges (8a,8b) of two carpet tiles.
10. Carpet tile according to one of claims 3 to 9, wherein said third and fourth locking elements are formed to vertically lock the respective joint edges (8c,8d) of two carpet tiles, or are formed to vertically and horizontally lock the respective joint edges (8c,8d) of two carpet tiles.
11. Carpet tile according to one of claims 1 to 10, wherein said locking elements (4,5,6,7) are integrally formed with said support plate (2).
12. Carpet tile according to one of claims 1 to 10, wherein at least one locking element (8a,8b,8c,8d) includes a separate profile (9).
13. Carpet tile according to claim 12, wherein said separate profile (9) is either an extruded profile or an injection molded connection part.
14. Carpet tile according to claims 12 and 13, wherein said first locking element (5') includes a male part (11) and said separate profile (9) having a female part (10') on each longitudinal side, respectively,

said male part (11) cooperates with one of said female parts (10') of said separate profile (9).

15. Carpet tile according to claim 14, wherein said second or third locking element (5,6) includes a complementary male part (11) that is engagable with the other one of said female parts (10) of said separate profile (9).
16. Carpet tile according to claim 12 or 13, wherein said first locking element (4,6) includes a female part (10) and said separate profile (9) having a male part (11) on each longitudinal side, respectively, said female locking part cooperates with one of said female parts of said separate profile (9).
17. Carpet tile according to claim 16, wherein said second or third locking element (5,6) includes a complementary female part that is engagable with the other one of said male parts of said separate profile (9).
18. Carpet tile according to claim 1 to 17, wherein at least the first and second locking elements include a first female part (5a,7a,4a,6a) extending along a first length of said respective joint edge (8a,8b,8c,8d) and a second male part (5b,7b,4b,6b) extending over a second length of said same joint edge (8a,8b,8c,8d).
19. Carpet tile according to one of claims 1 to 18, wherein said support plate (2) includes a support frame (14) that is foreseen with the respective locking elements (4,5,6,7).
20. Carpet tile according to one of claims 1 to 19, wherein said support plate (2) has a cell structure.
21. Carpet tile according to one of claims 1 to 20, wherein said carpet material (3) is glued to said support plate (2), coextruded or attached by mold injection.
22. Carpet tile according to one of claims 1 to 21, wherein an intermediate material is provided between the support plate (2) and the carpet material (3).
23. Carpet tile according to one of claims 3 to 22, wherein said first and second locking elements (4,5) are of the angling down type or the snapping type.

24. Carpet tile according to claims 3 to 23, wherein said third and fourth locking elements (6,7) are of the angling down type or the snapping type.
25. Carpet tile according to claims 1 to 21, wherein all locking elements (4,5,6,7) are connectable in the same plane.